

State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, LOS ANGELES REGION
ORDER NO. 88-25

WASTE DISCHARGE REQUIREMENTS
FOR

CITY OF LONG BEACH - EAST BEACH AREA
(File 73-67)

6029

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. The City of Long Beach has filed an application for waste discharge renewal for periodic maintenance dredging in the East Beach areas of the City tidelands. Previous dredging was permitted under Board Order No. 78-68, covering East and West Beach Areas.
2. City of Long Beach proposed dredging a maximum quantity of 27,000 cubic yards of material per year to maintain safe navigable water depths, protect public and private floating structures from low tidal damage and nourish eroded public beaches. Sediment accumulation in the subject dredging sites is primarily due to flood flows, beach erosion, or tidal action.
3. City of Long Beach proposed using dredged material for beach replenishment adjacent to the dredging sites. Dredged material will also be pumped to ponding areas near the dredging sites and the clarified water will be returned to surface waters. Excavated material from the ponding areas will be used to cover the disposal site and replenish beach sand at other locations.
4. The table below indicates the proposed dredge sites, approximate quantities of material to be removed, frequency of removal, and dredging depths:

PROPOSED DREDGE SITE	FREQUENCY OF DREDGING (Years)	ESTIMATED QUANTITY (Cubic Yds)	DREDGING DEPTH (Feet MLLW)
Los Cerritos Channel	1	2,000	-10.0
Marine Stadium	5	5,000	-15.0
Alamitos Bay (Remedial)	1	10,000	varies -7.0 to -15.0
Entrance Channel	3	10,000	-20.0 ¹

5. The ponding sites will be located on the beach, one near Peninsula Place and the other near 72nd Place, in Long Beach. Both ponding sites will be above the high tide line.

6. The Board adopted a Water Quality Control Plan for Los Angeles River Basin on November 27, 1978. The Water Quality Control Plan contains water quality objectives for Long Beach Marina, Marine Stadium, Alamitos Bay, and Cerritos Channel. The requirements contained in this Order as they are met will be in conformance with the goals of the Water Quality Control Plan.
7. The beneficial uses of the receiving waters are: water contact and non-contact water recreation, industrial service supply, navigation, ocean commercial and sport fishing, preservation of rare and endangered species, marine and saline water habitats, and shellfish harvesting.
8. The spoil material is to be deposited in a spoils area authorized by all applicable state and federal regulatory agencies, and therefore qualifies for a Categorical Exemption from environmental documentation under Article 19, Section 15304(g) of the California Environmental Quality Act.

The Board has notified the discharger and interested agencies and persons of its intent to proscribe waste discharge requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

The Board, in a public meeting, heard and considered all comments pertaining to the discharge and to the tentative requirements.

IT IS HEREBY ORDERED that the City of Long Beach, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder and the provisions of the Clean Water Act, as amended, and regulations and guidelines adopted thereunder, shall comply with the following:

A. Discharge Requirements:

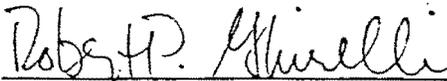
1. The removal and disposal of dredged material shall be so managed that the beneficial uses of waters are not impaired.
2. The dredged material may be utilized for beach replenishment purposes below the mean higher high water level provided it is composed of essentially sand in which an average of 91 % or greater of the material is retained on a Standard U.S. Sieve Size No. 200, is chemically compatible with disposal site sediments and does not result in a nuisance. The dredged material that does not meet this requirement shall be discharged to a legal disposal site or on beach sites above the mean higher high water level and only if adequate arrangements are made to retain the solid material within fill areas and prevent its escape into adjacent surface waters.

3. Prior to use of dredged material for beach replenishment, or placement into ponding areas, the physical and chemical compatibility of the dredge material to existing beach material must be demonstrated.
4. The return water flow of dredged water from a temporary settling basin to the ocean is permitted, provided the effluent contains no more than 1.0 mL/L of settleable solids.
5. Dredging or disposal of dredge spoil shall not cause any of the following conditions in the receiving waters:
 - a. The formation of sludge banks or deposits of waste origin that would adversely affect the composition of the bottom fauna and flora, interfere with fish propagation or deleteriously affect their habitat, or adversely change the physical or chemical nature of the bottom.
 - b. Turbidity that would cause substantial visible contrast with the natural appearance of the water outside the immediate area of operation.
 - c. Discoloration outside the immediate area of operation.
 - d. Visible material, including oil and grease, either floating on or suspended in the water or deposited on beaches, shores, or channel structures outside the immediate area of operation.
 - e. Objectionable odors emanating from the water surface.
 - f. Depression of dissolved oxygen concentrations below 5.0 mg/L at any time outside the immediate area of operation.
 - g. Toxic substances in concentrations that would be deleterious to human, animal, fish, bird or plant life.
6. Neither the removal nor disposal of material shall cause pollution or nuisance.
7. If an ocean disposal site is to be utilized for the disposal of dredged material, the disposal must be conducted in compliance with current requirements, guidelines, and/or regulations developed by the Environmental Protection Agency.
8. During the spawning season of the California Grunion (March through August), the replenishment of beach sand at spawning beaches below high tide lines is prohibited.

B. Provisions

1. The above specifications are valid only for maintenance dredging and disposal of bottom material.
2. The City of Long Beach shall notify this Board immediately by telephone of any adverse conditions in receiving waters or adjacent areas resulting from the removal or disposal of waste materials; written confirmation shall follow.
3. A copy of this Order shall be made available at all times to project construction personnel.
4. The City of Long Beach shall provide the following information to the Board:
 - a. The scheduled date of commencement of each dredging operation, and an engineering plan and profile of the excavation and disposal sites, at least one week prior to commencement.
 - b. The termination of the operation, within one week following the termination date.
5. The City of Long Beach shall submit, under penalty of perjury, technical reports to the Board in accordance with specifications prepared by the Executive Officer.
6. In accordance with Section 13260 of the Water Code, the discharger shall file a report of any material change or proposed change in the character, location, or volume of the wastes.
7. These requirements do not exempt the discharger from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this waste discharge, and they leave unaffected any further restraint on the disposal of wastes at this site which may be contained in other statutes or required by other agencies.
8. This permit shall expire on January 10, 1993.
9. Order no. 78-68, adopted by the Board May 22, 1978, is hereby rescinded.

I, Robert P. Ghirelli, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on January 25, 1988.


Robert P. Ghirelli, Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
 LOS ANGELES REGION
 MONITORING AND REPORTING PROGRAM NO. 6029
 FOR
 CITY OF LONG BEACH - EAST BEACH AREA
 (File No. 73-67)

RECEIVING WATER MONITORING

The following sampling protocol shall be undertaken during the dredging project. Sampling for the receiving water monitoring program shall commence one week prior to the start of dredging operations and continue at least one week following the completion of all such operations. Receiving water monitoring shall be conducted once a week during dredging operations. Sampling shall be conducted down current of the dredge sites at least one hour after the start of dredging operations. All receiving water samples shall be collected by grab samples or remote electronic sampling equipment. All required parameters will be sampled at the surface and 1.0 meter increments throughout the water column. Receiving water samples shall be taken at the following stations:

<u>Dredge Site</u> <u>Station</u>	<u>Location</u>
A	30.5 meters (100 feet) down current from each point of dredging operations, safety permitting
B	61.0 meters (200 feet) down current from each point of dredging operations
C	91.5 meters (300 feet) down current from each point of dredging operations

The following shall constitute the receiving water monitoring program:

<u>Parameters</u>	<u>Units</u>	<u>Stations</u>
Dissolved Oxygen	mg/L	A, B, C
pH	pH units	A, B, C
Light transmittance	% transmittance	A, B, C
Suspended solids	mg/L	B, C

Color photographs shall be taken at the time of sampling to record the extent of visible effects of operations. Photographs are to be taken from an elevated position, with a 35mm camera, to ensure proper photographic documentation of the site.

The City of Long Beach or its contractor shall provide Regional Board staff with a receiving water monitoring program. Regional Board staff will be notified of any changes in the field schedule prior to their implementation.

DREDGED MATERIAL MONITORING

A representative sample of bottom sediments used for beach replenishment in areas below the mean higher high water level shall be obtained prior to such use and analyzed for the following:

- a. Sieve analysis to test conformance with requirement A-2a above,
and
- b. Whole sediment analysis for the following parameters:

<u>Parameter</u>	<u>Unit</u>
Mercury	mg/L
Lead	mg/L
Zinc	mg/L
Copper	mg/L
Total Chromium	mg/L
Nickel	mg/L
Silver	mg/L
Hydrogen sulfide	mg/L
Oil and grease	mg/L
TOC	mg/L
PCBs	mg/L

For each dredge site, a minimum of two samples shall be taken for dredge quantities less than 10,000 cubic yards. An additional sample shall be taken for each additional 10,000 cubic yards of material.

RETURN WATER MONITORING

The following return water monitoring program shall be implemented if wastewater from the land disposal site is returned or discharge to Marina waters or any other surface water.

Return water samples shall be grab samples obtained while water is being returned or discharge to surface waters at least thirty minutes after the start of such discharge. These samples shall be taken at each point where return water leaves the disposal area(s).

The following shall constitute the return water monitoring program:

<u>Parameters</u>	<u>Units</u>	<u>Frequency</u>
Settleable solids	ml/L	weekly
Flow rate	gallons	daily

The first sample shall be taken on the first day of return water flow. The results of analysis of the sample shall be telephoned to the Board as soon as completed.

The results of the return water monitoring shall be reported to the Board in each monitoring report.

Receiving water observations shall cover the areas where water is returned to the ocean.

OBSERVATION

The following receiving water data shall be logged daily during dredging or excavating operations:

- a. Date and time
- b. Direction and speed of any currents
- c. General weather conditions and wind velocity
- d. Tide stage
- e. Appearance of trash, floatable material, grease, oil or oily slick, or other objectionable materials
- f. Discoloration and/or turbidity
- g. Odors
- h. Depth of dredge operation during previous day
- i. Amount of material dredged the previous day
- j. An accumulated total of material dredged to date

GENERAL PROVISIONS

All sampling, sample preservation, and analyses shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.

All chemical analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services.

The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to insure accuracy of measurements, or shall insure that both activities will be conducted.

A grab sample is defined as an individual sample collected in fewer than 15 minutes.

All samples shall be representative of the waste discharge under the conditions of normal or peak load.

REPORTING

Monitoring reports shall be submitted within 10 days following each weekly sampling. In reporting, the discharger shall arrange the monitoring data in tabular form so that dates, time, parameters, test data, and observations are readily discernible. The data shall be summarized to demonstrate compliance with waste discharge requirements and shall include results of observations. A final report, summarizing the results of the weekly monitoring and reporting the total volume discharge, shall be submitted within one month of completion of the project.

Each monitoring report must affirm in writing that:

All analyses were conducted at a laboratory certified for such analyses by the State Water Resources Control Board or approved by the Executive Officer and in accordance with current EPA guideline procedures or as specified in the Monitoring Program.

For any analysis performed for which no procedure is specified in the EPA guidelines or in this Monitoring Program, the constituent or parameter analyzed and the method or procedure used must be specified in the report.

GENERAL PROVISIONS FOR REPORTING

For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.

Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct. Executed on the ____ day of _____ at _____.

(Signature)

(Title)"

These records and reports are public documents and shall be made available for inspection during business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region.

Ordered by Robert P. Ghirelli
Executive Officer

Date FEB 22 1988